



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D2571
Job Sheet 204809



Part No: D2571

Job Qty: 12 pcs

Part Name: Saddle, Fwd, Out



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/20/19

Job Tracking No:

Due Date: 2/24/20

Created By: Jennifer Renwick

Type: Stock

Description:

Note: DWG REV F IPP: I 02.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572 KJ

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Machining - Issue SN	12 pcs	2/24/20		0.00	0.00	HAAS - 1		
							HAAS - 2		
							HAAS - 3		DJP 20-03-27
							HAAS - 4		
100	HAAS 4 Axis - B4B	12 pcs	2/24/20		1.00	19.35	HAAS - 1 - B4B		
							HAAS - 2 - B4B		
							HAAS - 3 - B4B		9-21/SBL 20/04/02
							HAAS - 4 - B4B		
110	Conventional Mill - 1 - B4B	12 pcs	2/24/20		0.00	1.85	Conventional Mill - 1 - B4B		SBL 20/04/02
							Conventional Mill - 2 - B4B		
120	QC 2	12 pcs	2/24/20		0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		



Container No: S267225



Part: D2571

Job No: 204809

Serial No/Batch: S267225

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
Tel: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/27/20

Plex 12/20/19 8:36 AM Dart.Renwick.Jennifer

				QC 2 - 50	
				QC 2 - 51	
				QC 2 - 52	
				QC 2 - 57	
				QC 2 - 62	
				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
130 QC 8	12 pcs	2/24/20	0.00 0.00	QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
140 Handfinish - 1-1 Chemical-B4B	12 pcs	2/24/20	0.00 0.40	Handfinish - 1 - 1 - B4B	
				Handfinish - 1 - 2 - B4B	
				Handfinish - 1 - 3 - B4B	
				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	

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				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
150	Powdercoat - 1 White GI(A)- B4B	12 pcs	2/24/20	0.00 0.48	Powdercoat - 1 - B4B
					Powdercoat - 2 - B4B
					Powdercoat - 3 - B4B
					Powdercoat - 4 - B4B
160	QC 3	12 pcs	2/24/20	0.00 0.00	QC 3 - 10
					QC 3 - 13
					QC 3 - 15
					QC 3 - 17
					QC 3 - 18
					QC 3 - 2
					QC 3 - 28
					QC 3 - 3
					QC 3 - 30
					QC 3 - 34
					QC 3 - 36
					QC 3 - 41
					QC 3 - 51
					QC 3 - 58
					QC 3 - 59
					QC 3 - 68
					QC 3 - 9
					QC 3 - 40
					QC 3 - 19
					QC 3 - 43
					QC 3 - 24
					QC 3 - 61
					QC 3 - 81
170	Packaging 3-1 - Stock - B4B	12 pcs	2/24/20	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B

				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
180	QC 21 - SA	12 pcs	2/24/20	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

DAS
21
9-08 MAY 07 2020

Part Op **100** - (HAAS CNC vertical machine #1) Program Batch No S2472X Double check by: _____ 1-Machine Step No 1
 Descriptions: per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per Folio FA051 and inspect per
 attached Dimension Sheets 3-Machine Step No 3 per Folio FA051 and inspect
110 - (Manufacture as per dwg) Machine keyway as per dwg D2571 & D2572
120 - (QC2- Inspect parts off machine FAI/FAIB) Inspect on CMM as per folio CMMA022.
130 - (QC8- Inspect parts - second check)
140 - (Chemical Conversion Coat per QSI005 4.1)
150 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____ FINISH TIME: _____
160 - (QC3- Inspect Part Finish)
170 - (Identify as per dwg & Stock Location: _____)
180 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D6101-007	Saddle Billet	12 pcs (1 ea)	90-Machining - Issue SN	S232897 X

12

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Machining - Issue SN	D6101-007	12	63	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Saddle, Fwd Outboard	0.438Inches + 0.005 - 0.000	0.443 0.438		
2	Saddle, Fwd Outboard	1.745Inches + 0.010 - 0.000	1.755 1.745		
3	Saddle, Fwd Outboard	3.495Inches + 0.010 - 0.000	3.505 3.495		
4	Saddle, Fwd Outboard	1.745Inches + 0.010 - 0.000	1.755 1.745		
5	Saddle, Fwd Outboard	7.990Inches + 0.020 - 0.000	8.010 7.990		
6	Saddle, Fwd Outboard	0.490Inches + 0.020 - 0.000	0.510 0.490		
7	Saddle, Fwd Outboard	0.257Inches + 0.005 - 0.000	0.262 0.257		
8	Saddle, Fwd Outboard	0.375Inches + 0.005 - 0.000	0.380 0.375		

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9	Saddle, Fwd Outboard	0.490Inches	+ 0.020 - 0.000	0.510 0.490
10	Saddle, Fwd Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
11	Saddle, Fwd Outboard	0.558Inches	+ 0.020 - 0.000	0.578 0.558
12	Saddle, Fwd Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
13	Saddle, Fwd Outboard	1.490Inches	+ 0.010 - 0.000	1.500 1.490
14	Saddle, Fwd Outboard	2.495Inches	+ 0.010 - 0.000	2.505 2.495
15	Saddle, Fwd Outboard	3.869Inches	+ 0.010 - 0.000	3.879 3.869
16	Saddle, Fwd Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
17	Saddle, Fwd Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
18	Saddle, Fwd Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
19	Saddle, Fwd Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
20	Saddle, Fwd Outboard	0.178Inches	+ 0.020 - 0.000	0.198 0.178
21	Saddle, Fwd Outboard	2.940Inches	+ 0.040 - 0.000	2.980 2.940
22	Saddle, Fwd Outboard	0.230Inches	+ 0.020 - 0.000	0.250 0.230
23	Saddle, Fwd Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
24	Saddle, Fwd Outboard	0.308Inches	+ 0.005 - 0.000	0.313 0.308
25	Saddle, Fwd Outboard	0.760Inches	+ 0.005 - 0.000	0.765 0.760
26	Saddle, Fwd Outboard	0.352Inches	+ 0.020 - 0.000	0.372 0.352
27	Saddle, Fwd Outboard	0.470Inches	+ 0.060 - 0.000	0.530 0.470
28	Saddle, Fwd Outboard	0.615Inches	+ 0.020 - 0.000	0.635 0.615
29	Saddle, Fwd Outboard	0.053Inches	+ 0.020 - 0.000	0.073 0.053
30	Saddle, Fwd Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
31	Saddle, Fwd Outboard	1.375Inches	+ 0.020 - 0.000	1.395 1.375
32	Saddle, Fwd Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
33	Saddle, Fwd Outboard	0.240Inches	+ 0.040 - 0.000	0.280 0.240
34	Saddle, Fwd Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
35	Saddle, Fwd Outboard	2.000Inches	+ 0.020 - 0.000	2.020 2.000
36	Saddle, Fwd Outboard	0.023Inches	+ 0.020 - 0.000	0.043 0.023

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

DART AEROSPACE LTD	Work Order: 204809
Description: Saddle, Fwd Outboard	Part Number: D2571
Inspection Dwg: D2571 Rev. F	Page 1 of 3

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.438	.438	.438	.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		.500	.500	.500	.503		
G	0.257	0.262		.259	.259	.259	.259		
H	0.375	0.380		.376	.376	.376	.376		
I	0.490	0.510		.499	.501	.500	.500		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.567	.569	.568	.568		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		.135	.135	.135	.135		
Q	0.115	0.135		.125	.125	.125	.125		
R	0.240	0.260		.254	.252	.253	.253		
S	0.115	0.135		.133	.134	.133	.133		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		.241	.240	.242	.242		
W	0.115	0.135		.128	.129	.129	.129		
X	0.308	0.313		.310	.310	.310	.309		
Y	0.760	0.765		.761	.761	.760	.760		
Z	0.352	0.372		.363	.363	.363	.362		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.626	.630	.626	.626		
AC	0.053	0.073		.057	.057	.060	.060		
AD	0.240	0.260		.251	.250	.253	.253		
AE	1.375	1.395		1.385	1.385	1.385	1.385		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.258	.259	.260	.265		
AH	0.240	0.260		.250	.250	.255	.255		
AI	2.000	2.020		2.001	2.001	2.000	2.000		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by: <i>DK</i>
Date: 20/03/28

Audited by: <i>[Signature]</i>
Date: 20/4/18

Rev	Date	Change	Revised by	Approved
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	<i>[Signature]</i>

DART AEROSPACE LTD	Work Order: 204809
Description: Saddle, Fwd Outboard	Part Number: D2571
Inspection Dwg: D2571 Rev. F	Page 2 of 3

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	15	26	37	48		
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		0.501	0.502	0.503	0.502		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.376	0.376	0.376	0.376		
I	0.490	0.510		0.500	0.500	0.501	0.499		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.566	0.567	0.568	0.566		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		0.135	0.135	0.135	0.135		
Q	0.115	0.135		0.125	0.125	0.125	0.125		
R	0.240	0.260		0.253	0.253	0.253	0.252		
S	0.115	0.135		0.132	0.133	0.132	0.132		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		0.242	0.242	0.242	0.243		
W	0.115	0.135		0.124	0.124	0.126	0.125		
X	0.308	0.313		0.310	0.310	0.311	0.310		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.3615	0.362	0.363	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	0.626	0.626	0.626		
AC	0.053	0.073		0.060	0.058	0.060	0.060		
AD	0.240	0.260		0.252	0.252	0.252	0.253		
AE	1.375	1.395		1.385	1.385	1.385	1.385		
AF	0.115	0.135		0.130	0.135	0.135	0.135		
AG	0.240	0.280		0.265	0.265	0.265	0.265		
AH	0.240	0.260		0.255	0.255	0.255	0.255		
AI	2.000	2.020		2.001	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by: DTP
Date: 20-03-31

Audited by: [Signature]
Date: 20/4/18

Rev	Date	Change	Revised by	Approved
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
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DART AEROSPACE LTD	Work Order: 204809
Description: Saddle, Fwd Outboard	Part Number: D2571
Inspection Dwg: D2571 Rev. F	Page 3 of 3

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	19	210	311	412		
A	0.438	0.443		.438	.438	.438	.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		0.502	.448	.501	.502		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.376	0.376	0.376	0.376		
I	0.490	0.510		0.502	0.501	0.501	.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.569	0.568	0.568	.567		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		0.133	0.133	0.133	.133		
Q	0.115	0.135		0.125	0.125	0.125	0.125		
R	0.240	0.260		0.252	0.253	0.2535	0.2525		
S	0.115	0.135		0.132	0.132	0.132	.131		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		0.241	0.242	0.242	.241		
W	0.115	0.135		0.126	0.126	0.125	.123		
X	0.308	0.313		0.310	.310	.310	.310		
Y	0.760	0.765		0.760	.760	.760	.760		
Z	0.352	0.372		0.363	.367	.367	.365		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	.626	.626	.626		
AC	0.053	0.073		0.060	0.060	0.060	.060		
AD	0.240	0.260		0.252	0.251	0.251	.252		
AE	1.375	1.395		1.385	1.385	1.385	1.385		
AF	0.115	0.135		0.135	0.135	0.135	.135		
AG	0.240	0.280		0.265	0.265	0.265	.265		
AH	0.240	0.260		0.255	0.255	0.255	.253		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	.033	.033	.033		

Accept/Reject

Measured by: DTP / SD
Date: 20-03-31 / 20/4/02

Audited by: [Signature]
Date: 20/4/08

Rev	Date	Change	Revised by	Approved
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	[Signature]